Correspondence: Executive Officer
P.O. Box 282 NORTH RYDE
N.S.W. 2113
Telegrams: NATSTANCOM SYDNEY
Telephone: 888 3922

CERTIFICATE OF APPROVAL No 6/4C/12

This is to certify that the pattern of the

CANCELLED 30/1..

Mettler H800C Weighing Instrument

submitted by Watson Victor Ltd,
95-99 Epping Road,
North Ryde, New South Wales, 2113,

has been approved under the Weights and Measures (Patterns of Instruments) Regulations as being suitable for use for trade.

Date of Approval: 15 July 1975

T_ pattern is described in Technical Schedule No 6/4C/12, and in drawings and specifications lodged with the Commission.

The approval is subject to review on or after 1 July 1980.

All instruments conforming to this approval shall be marked with the approval number "NSC No 6/4C/12".

Signed

J W Henderson

Acting Executive Officer

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CANCELLED

NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 6/4C/12

Pattern: Mettler H800C Weighing Instrument

Submittor: Watson Victor Ltd,
95-99 Epping Road,
North Ryde, New South Wales, 2113

Date of Approval: 15 July 1975

Condition of Approval:

All instruments conforming to this approval shall be marked "NSC No 6/4C/12".

Description:

The pattern (see Figure 1) is a self-indicating weighing instrument (balance) of capacity 800 CM by 0,01-CM graduations.

The instrument is a single pan beam balance with the pan and a series of removable substitution weights balanced by a fixed load (see Figures 2 and 3). During weighing the beam loading is maintained nearly constant by the removal of the substitution weights. The substitution weights are removed by three knobs marked 1, 10 and 100, which select values of 0 to 9 CM, 10 to 90 CM and 100 to 700 CM respectively. The value of the substitution weights removed from the beam is displayed on three incremental indicators, together with an optically projected scale which has a capacity of 1 CM.

A three-position locking lever marked "1, 0, ½" allows the operator to restrict the movement of the weighing mechanism during the selection of the appropriate substitution weights required to balance the applied load. A knob-operated fine zero adjustment is provided on the front of the housing and a coarse zero adjustment is provided on the beam (see Figure 4).

The instrument is provided with a level indicator and three adjustable feet. Adjacent to the level indicator is a notice advising that the instrument must be level when in use.

The instrument is marked adjacent to the weight indicator:

(II)

Max = 800 CM
Min = 0,5 CM
d = 0,01 CM

and "not for retail counter use".

Special Tests:

Level Sensitivity

1. When the instrument is tilted to a slope of 1 in 500 the bubble in the level indicator should move at least 2 mm; and

2. when the instrument is tilted so that the bubble in the level indicator moves 2 mm, and when zero is reset in the tilted position, the instrument should satisfy the weighing-accuracy specification, that is, ± ½ graduation for the first 5000 graduations, ± 1 graduation for graduations over 5000 and less than 20 000, and ± 1½ graduations for graduations over 20 000.

FIGURE 6/4C/12-1

Mettler H 80CC

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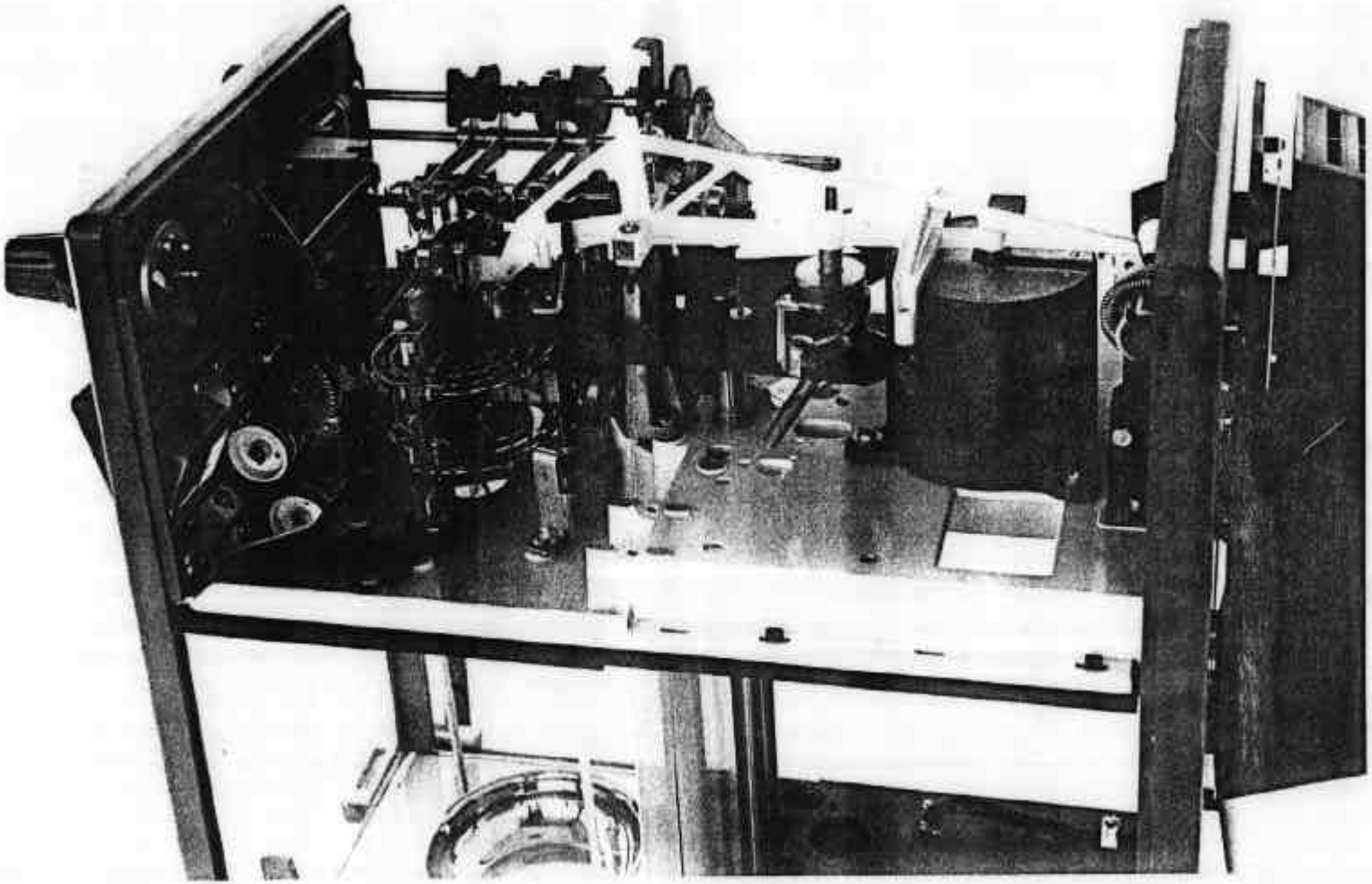
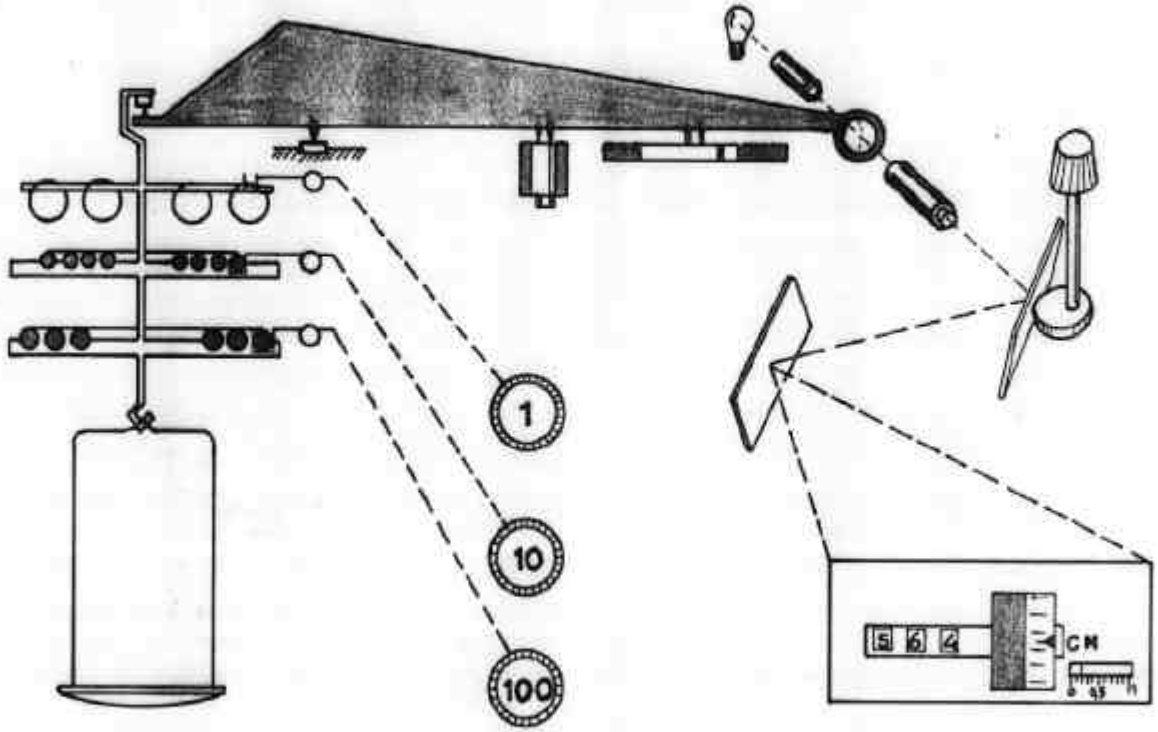
FIGURE 6/40/1?-2



Mettler H 800C

FIGURE 6/40/12-3



Mettler H800C — Schematic Drawing

FIGURE 6/4C/12-4

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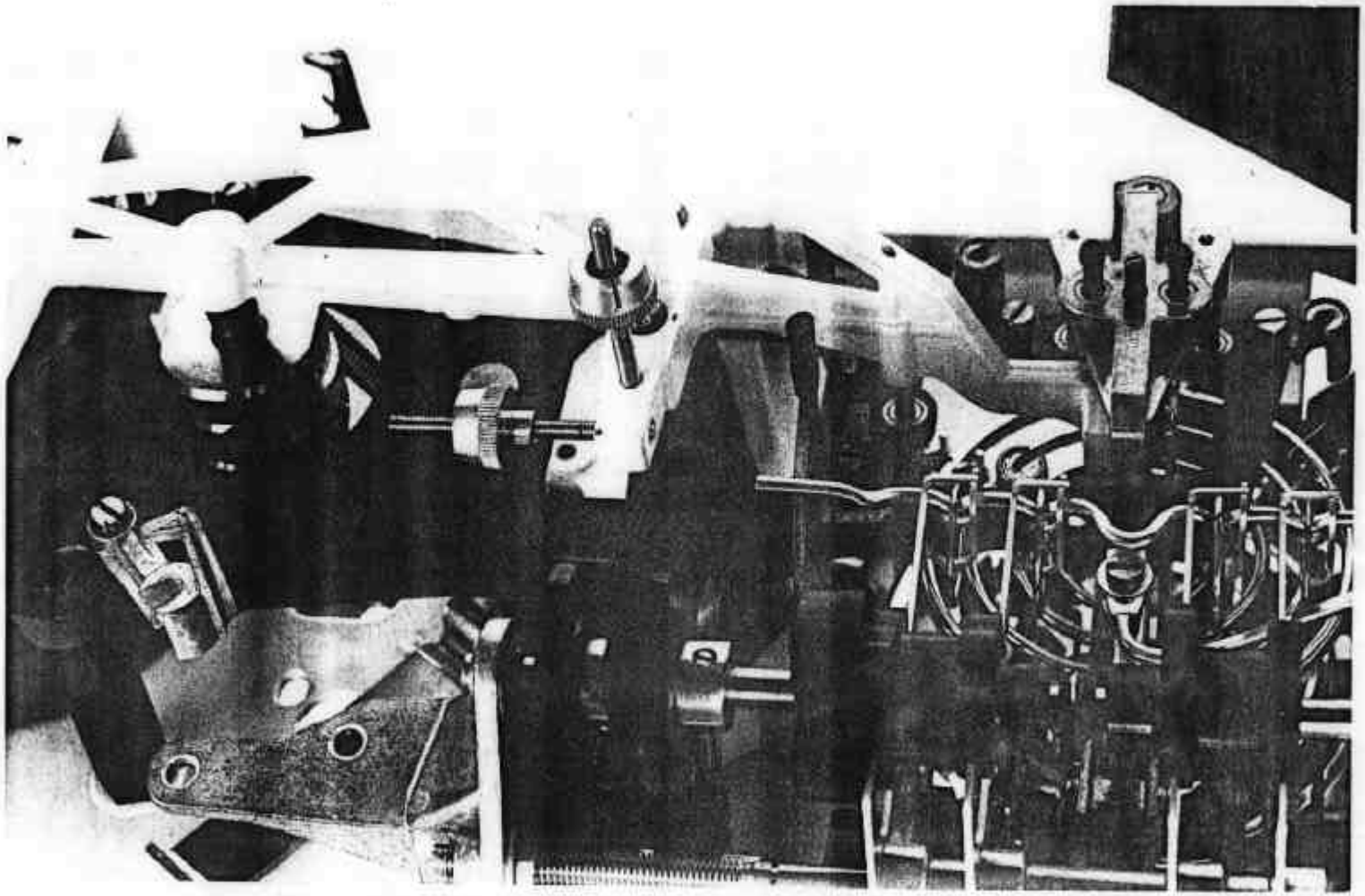

Mettler H800C — zero adjustment on the beam